

VHS video tapes were placed in the GTE archive for the PEM Tropics mission. The following table indicates the tapes available.

Video cameras were placed aboard each aircraft to monitor surrounding clouds. A camera was placed in the cockpit and was aimed about 45 deg. upward to view clouds in the forward direction. Likewise, cameras were aimed upward and downward from the aircraft to view clouds in the zenith and nadir directions. The zenith view was often of limited value because of sun glint in the wide angle lens.

Video cameras were also placed aboard the aircraft to record the scope display of the Weather Radar(DC-8) and the Storm Scope.

Appendix B of the PEM Tropics Expedition Plan provides descriptions of all the video camera installations and the Storm Scope and Weather Radar.

## PEM Tropics Aircraft Video Tapes Availability (Number original Tapes in Set)

Date	Flight#	Aircraft	Forward	Nadir	Zenith	Storm Scope	Weather Radar
8/5/96	1P	P-3B	-	-	-	-	-
8/7	2P	P-3B	1	1	1	-	-
8/11	3P	P-3B	1	1	1	-	-
8/15	4P	P-3B	1	1	1	-	-
8/18	5P	P-3B	1	1	-	1	-
8/18	1D	DC-8	1	1	1	-	1
8/21	6P	P-3B	1	1	-	1	-
8/24	7P	P-3B	1	1	1	-	-
8/24	2D	DC-8	2	2	2	2	1
8/26	8P	P-3B	1	1	1	-	-
8/30	9P	P-3B	1	1	1	-	-
8/30	3D	DC-8	2	2	2	2	2
8/31	10P	P-3B	2	2	2	2	-
8/31	4D	DC-8	2	2	2	2	2
9/3	11P	P-3B	2	2	1	1	-
9/3	5D	DC-8	2	2	2	1	2
9/5	12P	P-3B	1	1	1	1	-
9/5	6D	DC-8	2	2	2	2	2
9/7	13P	P-3B	1	1	1	1	-
9/7	7D	DC-8	2	1	1	1	1
9/10	14P	P-3B	1	1	1	1	-
9/10	8D	DC-8	2	2	2	1	2
9/11	15P	P-3B	1	1	1	1	-
9/11	9D	DC-8	2	2	2	2	2
9/14	16P	P-3B	1	1	1	1	-
9/14	10D	DC-8	2	2	2	1	2
9/16	11D	DC-8	2	2	2	1	1
9/18	17P	P-3B	1	1	1	1	-
9/18	12D	DC-8	2	2	2	2	2
9/21	13D	DC-8	2	2	2	1	2
9/22	18P	P-3B	2	2	2	2	-
9/23	19P	P-3B	1	1	1	1	-
9/23	14D	DC-8	2	2	2	2	1
9/25	20P	P-3B	1	1	1	1	-
9/26	21P	P-3B	1	1	1	1	-
9/26	15D	DC-8	2	2	2	2	2
9/28	16D	DC-8	2	2	2	2	1
10/1	17D	DC-8	2	2	2	2	1
10/3	18D	DC-8	2	2	2	2	1
10/5	19D	DC-8	2	2	2	1	1

An additional video tape was provided by Dr. T. N. Krishnamurti since the mission based upon his modeling efforts. The video provides wind field and rainfall animation over the Pacific at 1000 mb, 850 mb, 500 mb, and 200 mb. Also included are air parcel trajectories for flights 10P at 850 mb, 12P at 500 mb, 13P at 500 mb, 9D at 200 mb, 14D at 300 mb, and 17D at 850 mb.

The tapes are available on loan by contacting [Clyde C. Brown](#). Copies may also be requested for retention.

